

**OPERATOR'S MANUAL
DECONTAMINATION KIT,
INDIVIDUAL EQUIPMENT: M280
NSN 4230-01-206-4252
AND
TRAINING AID
NSN 4230-01-207-1911**

1 DEC 1986

WARNING

Do not use for skin decontamination. Keep out of eyes, skin, wounds, and mouth. Decontamination solution is poisonous and a skin burn hazard.

NOTE

To aid in decontamination, remove field contaminants, such as mud and dirt, following procedures in FM 3-5 prior to using individual containers of your DKIE.

TM 3-4230-224-10
C1

CHANGE

HEADQUARTERS

DEPARTMENT OF THE ARMY

Washington, DC, 23 November 1987

NO. 1

OPERATOR'S MANUAL
DECONTAMINATION KIT, INDIVIDUAL EQUIPMENT: M280
AND TRAINING AID

TM 3-4230-224-10 is changed as follows:

1. Remove old pages and insert new pages as indicated below. New or changed material is indicated by a vertical bar.

Remove Pages

1-1 thru 1-6
2-3 and 2-4
2-7 and 2-8
2-11 thru 2-14

Insert Pages

1-1 thru 1-6
2-3 and 2-4
2-7 and 2-8
2-11 thru 2-14

2. File this change sheet in back of the publication for reference purposes.

By order of the Secretary of the Army:

CARL E. VUONU
General, United States Army
Chief of Staff

Official:

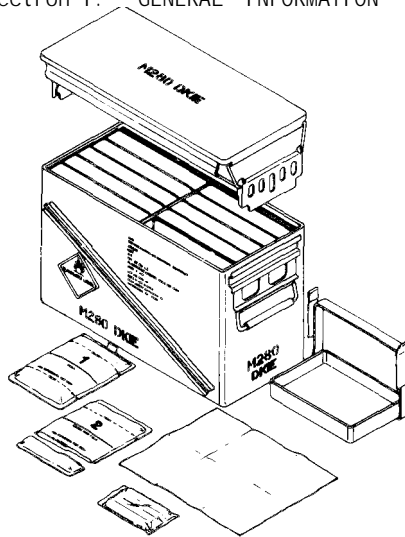
R. L. DILWORTH
Brigadier General, United States Army
The Adjutant General

DISTRIBUTION:

To be distributed in accordance with DA Form 12-28, Operator Maintenance Requirements for Individual Protection, Decontamination and Impregnating.

CHAPTER 1 INTRODUCTION

Section I. GENERAL INFORMATION



DKI E

1-1. Scope.

a. Type of Manual. This manual will show you how to use the DKIE to decontaminate individual equipment.

b. Model Number and Equipment Name. Decontamination Kit, Individual Equipment: M280.

c. Purpose of Equipment. The DKIE reduces contamination of individual equipment (CB protective gloves, overboots, mask/hood and rifle). The IEDTA is used to teach you how to use your DKIE.

d. Special Limitations on Equipment. Is not used for skin decon, load bearing equipment or porous materials. The DKIE is designed for hasty decon (see FM 3-5). It limits the transfer hazard by removing most of the gross contamination on individual equipment. A vapor hazard and/or transfer hazard may remain after use of the DKIE.

1-2. Maintenance Forms and Records. Department of the Army forms and procedures used for equipment maintenance will be those prescribed by DA PAM 738-750, The Army Maintenance Management System (TAMMS).

1-3. Reporting Equipment Improvement Recommendations (EIR's). If your DKIE needs improvement, let us know. Send us an EIR. You, the user, are the only One who can tell us what you don't like about your equipment. Let us know why you don't like the design. Tell us why a procedure is hard to perform. Put it on an SF 368 (Quality Deficiency Report). Mail it to us at Commander, US Army Armament, Munitions, and Chemical Command, ATTN: AMSMC - MAR - A(A), Aberdeen Proving Ground We'll send you a reply.

Section II. EQUIPMENT DESCRIPTION

1-4. Nomenclature Cross-Reference List.

Common Name

Official Nomenclature

DKIE

Decontamination Kit,
Individual Equipment:
M280

I EDTA

Individual Equipment
Decontamination Training
Aid

1-5. Equipment Characteristics, Capabilities, and Features.

a. The Equipment Decon Kit contains 20 plastic decon containers. The decon container holds one DECON 1 WIPE packet and one DECON 2 WIPE packet.

b. The DKIE and the IEDTA are expendable. When an individual container is used up, throw it away and get a new one. When all individual containers in the IEDTA are used up, order a new IEDTA. Order a new DKIE when 10 individual containers are used up.

c. The IEDTA is used exactly like the DKIE. The IEDTA contains no caustic or hazardous materials/solutions.

d. The Equipment Decon Kit is green, and plastic containers are green. The packets are green.

e. The Training Aid is black and plastic containers are black. The packets are blue.

f. The normal operating temperature of the DKIE is -25°F to $+110^{\circ}\text{F}$. The normal operating temperature of the IEDTA is $+32^{\circ}\text{F}$ to $+110^{\circ}\text{F}$.

1-6. Equipment Data.

a. Overall Dimensions (squad container):

Thickness	.720 ft.	(21.95 cm)
Width	1.555 ft.	(47.24 cm)
Height	1.190 ft.	(36.27 cm)

b. Individual Containers:

Thickness	1.35 in.	(3.429 cm)
Width	6 in.	(15.24 cm)
Height	8 in.	(20.32 cm)

c. Packets:

Width	5.5 in.	(13.97 cm)
Length	7.5 in.	(19.05 cm)

d. Weight (squad container filled): 35 lb (15.88 kg)

e. Operating Temperature:

DKIE -25°F (-32°C) to +110°F (+43°C)

I EDTA +32°F (0°C) to +110°F (+43°C)

CAUTION

Do not store the DKIE at temperatures above +110°F or for prolonged periods of time in direct sunlight.

CHAPTER 2

OPERATING INSTRUCTIONS

Section 1. PREVENTIVE MAINTENANCE CHECKS AND SERVICES (PMCS)

2-1. Before You Operate. Always keep in mind the WARNINGS, CAUTIONS, and NOTES. Perform the PMCS in Table 2-1 before operation.

2-2. PMCS Procedures. The PMCS table lists those required checks and services to ensure that the DKIE or LEDTA is ready for use. When recording results of PMCS, entries in the PMCS Item No. column will be used for the TM Item No. column on DA Form 2404.

CAUTION

Be careful not to damage the packets or break the ampuls during your inspection.

2-2. PMCS Procedures - Continued.

Table 2-1. Preventive Maintenance Checks and Services Before Operation

NOTE

The term ready/available and mission capable refer to the same status: Equipment is on hand and is able to perform its combat missions (See DA PAM 738-750).

Item No.	Item to be Inspected	Procedures	Equipment Not Ready/ Available If:
1	Squad container	Check case for breaks, cracks, and missing or broken fasteners or cover.	Case broken or cracked, or parts missing.
2	Individual containers	Check containers for cracks and breaks. Check for missing lid or bottom. Check inside for wetness.	Container cracked or broken. Lid or bottom missing. Wetness is detected.

Item No.	Item to be Inspected	Procedures	Equipment Not Ready/ Available If:
3	DECON 1 WIPE and DECON 2 WIPE PACKETS	Check packet for tears. Check that one of each packet is inside the individual container.	Packet torn. DECON 1 or DECON 2 packet missing.
4	DECON 2 WIPE packet	Check Decon 2 WIPE packet for broken glass ampuls by carefully feeling the packet. Each packet should contain four glass ampuls. If packet is swollen and ampuls can not be felt, it must be replaced.	Ampuls broken or packet swollen.

Section II. OPERATION UNDER USUAL CONDITIONS

WARNING

- Do not use for skin decontamination.
- Decontaminating solution is poisonous and a skin burn hazard. Keep decontaminating solution out of eyes, wounds, or mouth and away from skin.
- Use water to wash solution out of eyes, wounds, skin and seek medical aid.
- Unload rifle before starting decon procedures.

2-3. Operating Procedure. When you find or detect agent on your individual equipment, you can use the M280. Use the M280 when you are in a "clean area", or about to enter a clean area. Use the M280 when you have to stay in a contaminated area and do not want the threat agent to be absorbed into individual equipment.

a. Issue.

(1) Open squad container and issue individual containers.

(2) Close squad container.

(3) Store individual container in carrying location.

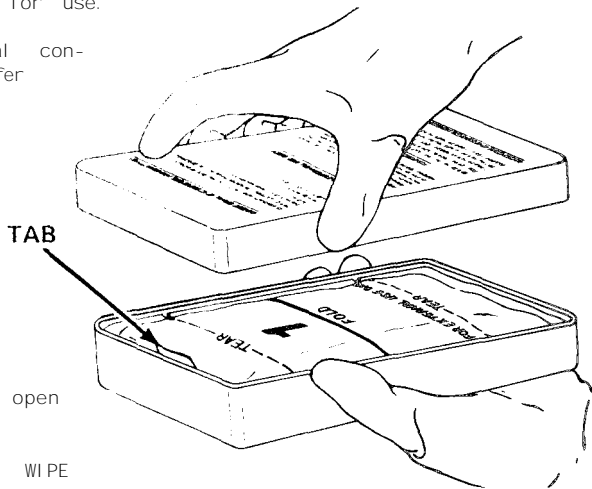
(Refer to local SOP for carrying location.)

NOTE

You can distinguish the difference between the DECON 1 WIPE and DECON 2 WIPE packets by feeling the tab on the DECON 1 WIPE packet.

b. Prepare DECON 1 WIPE for use.

(1) Remove individual container from carrying location. (Refer to local SOP for carrying location.)

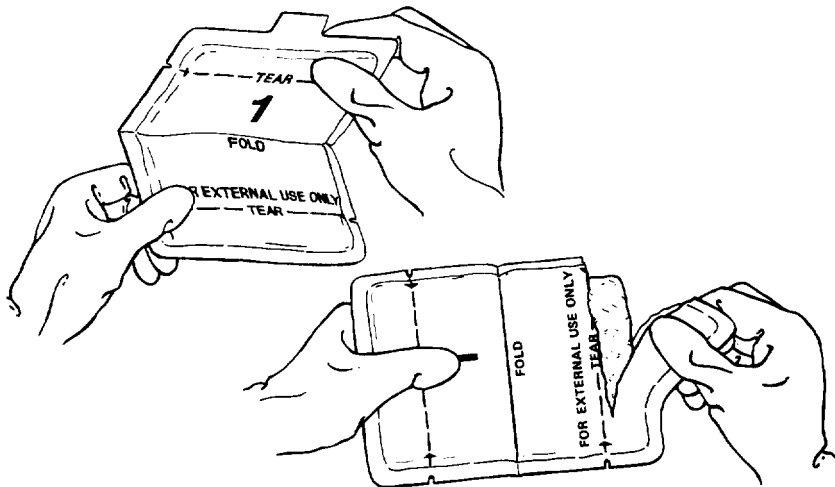


(2) Remove tape and open individual container.

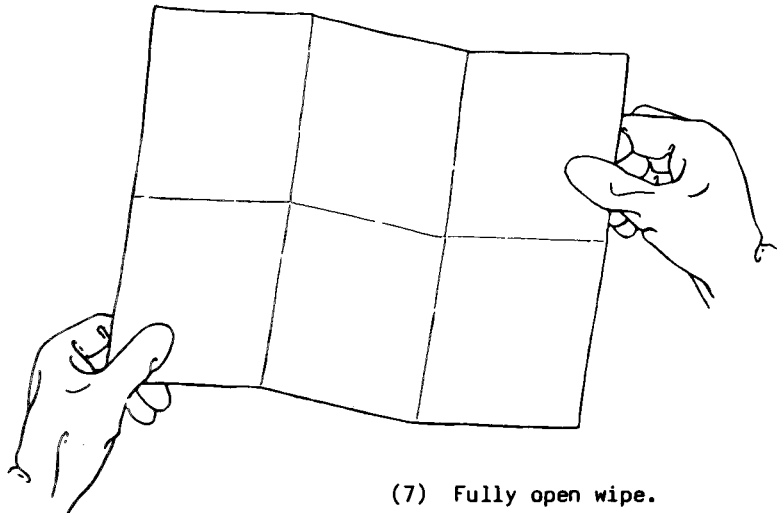
(3) Take out DECON 1 WIPE packet.

(4) Fold packet at solid line marked FOLD, then unfold.

(5) Tear open packet at notch and remove wipe.



(6) Discard foil.



(7) Fully open wipe.

2-3. Operating Procedures - Continued.

c. Wipe individual equipment with DECON 1 WIPE.

(1) Wipe CB protective gloves.

(2) Wipe hood. Have buddy help if present.

(3) Wipe parts of the mask that show through hood.
Have buddy help if present.

(4) Wipe eyepiece outserts. Have buddy help if present.

CAUTION

Do not wipe bottoms of CB protective overboots.

NOTE

Do not wipe bootlaces.

(5) Wipe CB protective overboots.

- (6) Wipe rifle.
- (7) Rewipe CB protective gloves.
- (8) Drop wipe to the ground.
- (9) Wait one minute before beginning DECON 2 WIPE procedure.

2-3. Operating Procedures - Continued.

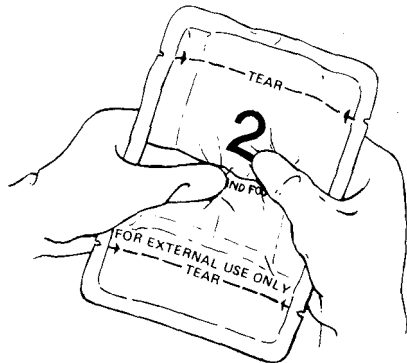
d. Prepare DECON 2 WIPE for use.

(1) Take DECON 2 WIPE packet out of individual container.

W A R N I N G

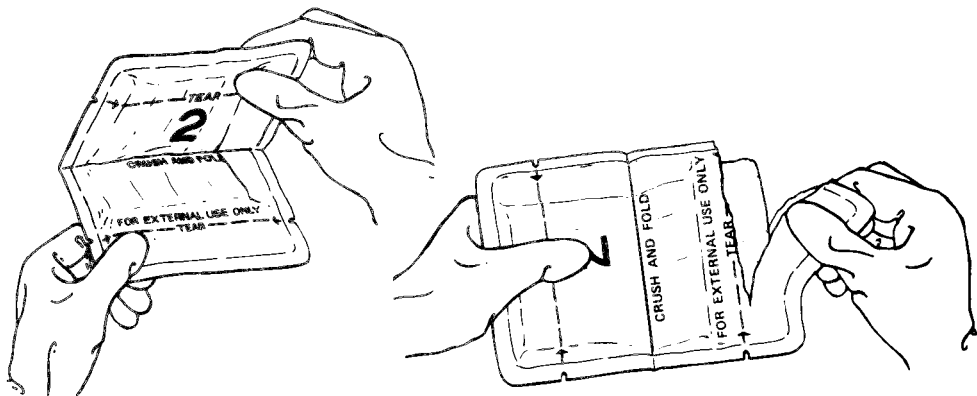
Do not massage packet after crushing ampuls. Massaging may cause glass to penetrate into the decon 2 wipe.

(2) Crush ampuls inside the packet between thumb and fingers. A hard clean surface can also be used to crush the ampuls.



(3) Fold packet at solid line marked CRUSH and FOLD, then unfold.

(4) Tear open DECON 2 packet at notch and remove wipe .



2-3. Operating Procedures - Continued.

(5) Let foil drop to the ground.

(6) Fully open wipe, let encased crushed ampuls fall to the ground.

WARNING

Glass fragments, if present on DECON 2 WIPES, could cut through MOPP gear.

(7) Inspect DECON 2 WIPE for glass fragments. If fragments are present, shake wipe to remove them.

e. Wipe individual equipment with DECON 2 WIPE.

(1) Wipe CB protective gloves.

(2) Wipe hood. Have buddy help if present.

(3) Wipe parts of the mask that show through the hood. Have buddy help if present.

(4) Wipe eyepiece outserts. Have buddy help if present.

CAUTION

Do not wipe bottoms of CB protective overboots.

NOTE

Do not wipe bootlaces.

(5) Wipe CB protective overboots.

(6) Wipe rifle.

(7) Rewipe CB gloves.

(8) Drop wipe to the ground.

f. Begin clothing exchange per FM 3-5 or continue with mission.

NOTE

When the squad container has 10 or fewer individual containers, order a new one.

Dispose of expended materials in accordance with local SOP.

g. As soon as mission permits, perform any needed maintenance on the equipment you deconned in accordance with its TM.

APPENDIX A

REFERENCES

A-1. Scope.

This appendix lists all forms and technical manuals referenced in this manual.

A-2. Forms.

Equipment Inspection and Maintenance worksheet	DA Form 2404
Recommended Changes to Equipment Publications and Blank Forms	DA Form 2028
Quality Deficiency Report	SF Form 368

A-3. Miscellaneous Publications.

The Army Maintenance Management System (TAMMS)	DA Pam 738-750
NBC Decontamination (Deacon)	FM 3-5

APPENDIX B

COMPONENT OF END ITEM AND BASIC ISSUE ITEMS LIST

Not applicable to the Equipment Decon Kit

APPENDIX C

ADDITIONAL AUTHORIZATION LIST

Not applicable to the Equipment Decon Kit

APPENDIX D

EXPENDABLE/DURABLE SUPPLIES AND MATERIALS LIST

Not applicable to the Equipment Decon Kit

By Order of the Secretary of the Army:

JOHN A. WICKHAM, JR.
General, United States Army
Chief of Staff

Official:

R. L. DILWORTH
Brigadier General, United States Army
The Adjutant General

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